

Sharpeye

- “Optical Music Recognition” software

- Sharpeye
- Smartscore
- Photoscore
- Capella-scan
- Audiveris (Java/linux)
- Gamera



- Sharpeye website: <http://visiv.co.uk>
- Download installer: <http://visiv.co.uk/installsharpeye2.exe>
- Manual: <http://visiv.co.uk/manualv2.pdf>
- 30-day unrestricted trial

Sharpeye in linux/macOS

- Sharpeye is a windows program
- Use **wine**: <https://www.winehq.org>
- Installing in macOS:
 - 1) Install compiler “**xcode-select --install**”
 - 2) Install Homebrew, see: <http://brew.sh>
 - 3) Run: “**brew install wine**” in /Applications/Terminal.app
 - 3b) run “**brew install winetricks**” (may be useful)
 - 4) run Sharpeye installer: “**wine installsharpeye2.exe**”
- Bash script to start sharpeye from the command-line:

```
#!/bin/bash
```

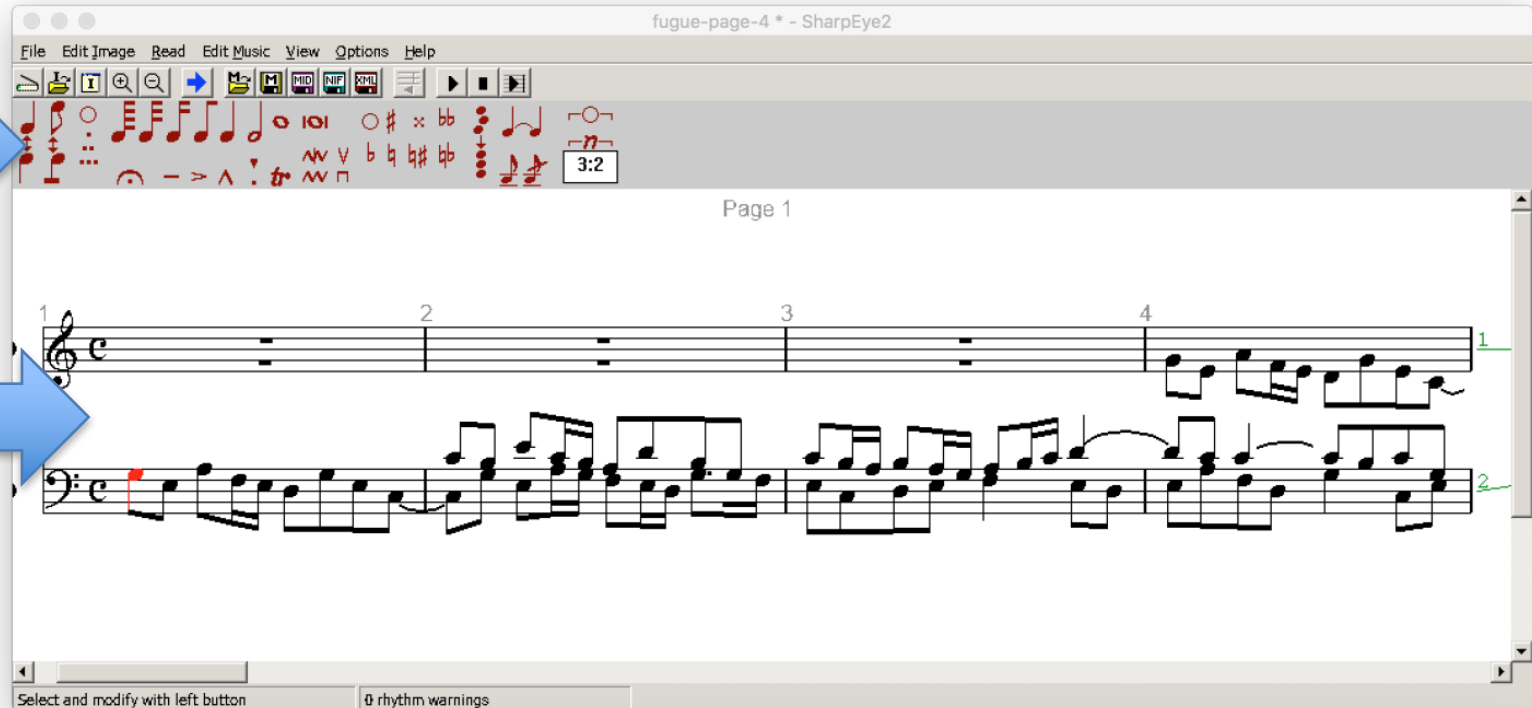
```
/usr/local/bin/wine '/users/username/.wine/drive_c/Program Files/visiv-co-uk/SharpEye2/sharpeye.exe' &
```

Sharpeye editor and scanned image

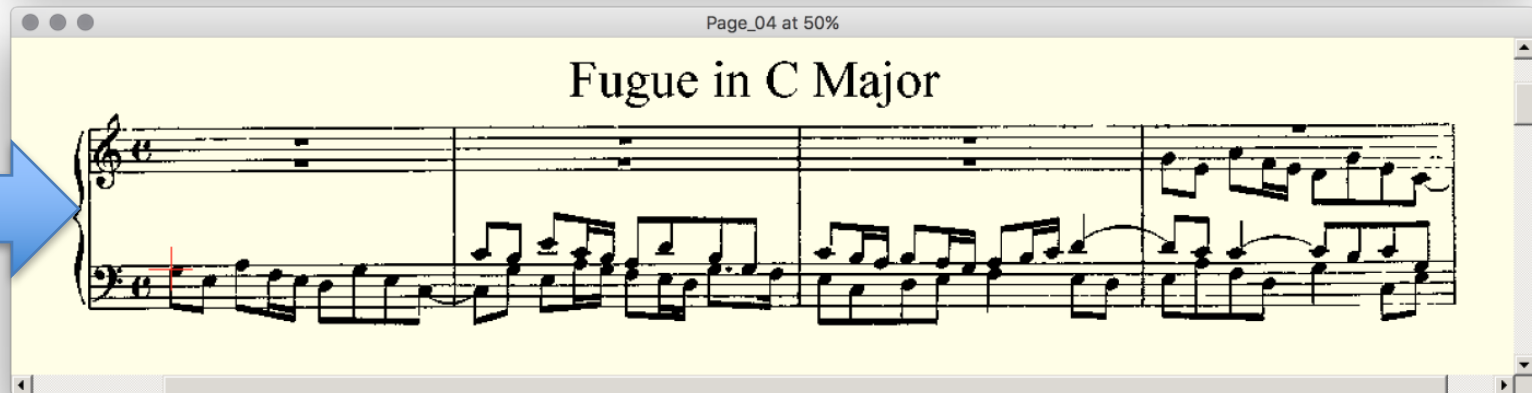
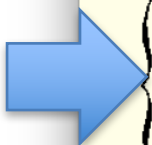
Editing
toolbar



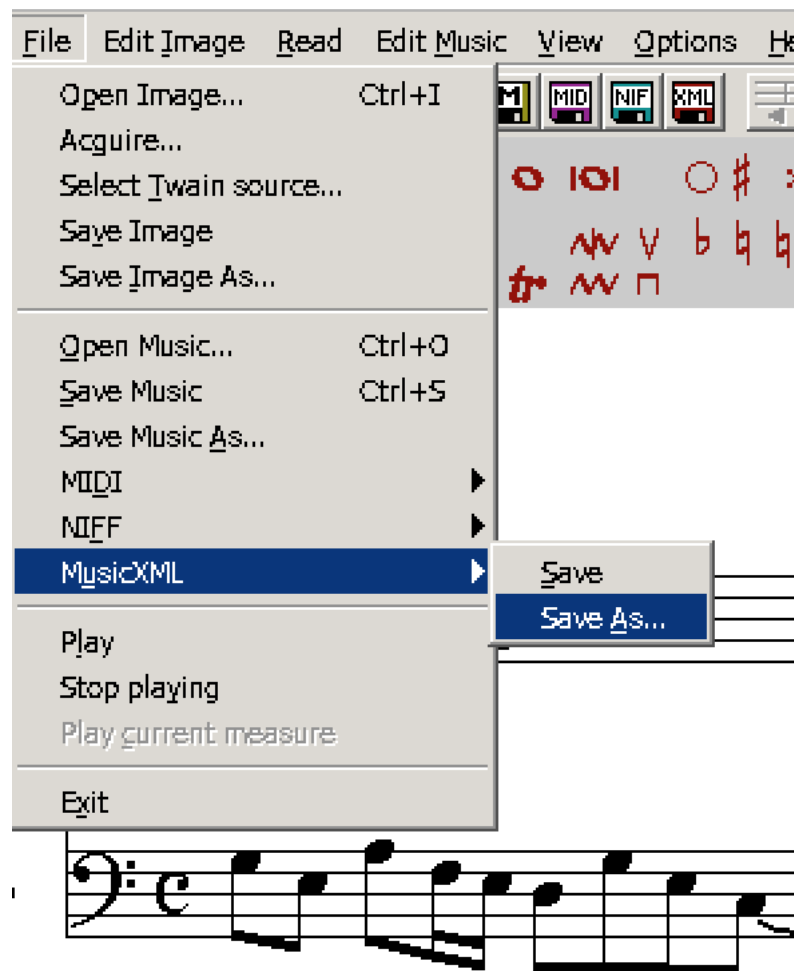
Recognized
musical data



Scanned
Image (TIFF)



Exporting data from Sharpeye



- **MIDI**
- **NIFF** (Notation Interchange File Format)
- **MusicXML**

MusicXML to music editors

- Sharpeye has limits to music that can be represented, such as cross-staff beaming, cross voice ties/slurs. No pedaling.

The screenshot displays the Sharpeye music editor interface. The title bar indicates the file is 'fugue-page-4.xml'. The ribbon menu at the top includes tabs for File, Home, Note Input, Notations, Text, Play, Layout, Appearance, Review, and View. The 'Home' tab is active, showing various editing tools like Cut, Copy, Paste, and a 'Find in ribbon' search bar. The main workspace shows a piano score with two staves. The top staff is labeled 'Piano' and the bottom staff is labeled '5'. The score is in common time (C) and features complex rhythmic patterns with many beamed notes. The bottom status bar shows 'Page 1 of 2', 'Bars: 29', 'No Selection', and 'Concert pitch'. The zoom level is set to 100.00%.